INTERNATIONAL SEARCH REPORT

~mational Application No _T/GB2004/003443

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01M4/40 H01M4/04 H01M2/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{H01M} \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMI	ENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/21632 A1 (XENO ENERGY CO., LTD; YOON, WOOYOUNG) 14 March 2002 (2002-03-14) * see p.p.5, l.1 - 16, p.8, l.19 - p.13, l. 9, claims * the whole document	1-22
X	WO 99/43034 A (POLYPLUS BATTERY COMPANY,INC.) 26 August 1999 (1999-08-26) * see p.3, l .3 - p.4, l.32, p.9,l.19 - p.14,l.7, claims * the whole document	1-22
Y	WO 01/65616 A1 (ACCENTUS PLC; MACKLIN, WILLIAM, JAMES; JARVIS, CHRISTINE, RUTH) 7 September 2001 (2001-09-07) * see p.3, l.1 - p.5,l.11, claims * the whole document	1-22

Further documents are listed in the continuation of box C.	X Patent family members are listed in annex.		
Special categories of cited documents: A' document defining the general state of the art which is not considered to be of particular relevance E' earlier document but published on or after the international filling date L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O' document referring to an oral disclosure, use, exhibition or other means P' document published prior to the international filing date but later than the priority date claimed	 *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family 		
Date of the actual completion of the International search 2 February 2005	Date of mailing of the international search report $10/02/2005$		
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Stellmach, J		

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T/GB2004/003443

	Citation of documents with indication where constraints	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/119373 A1 (GAO YUAN ET AL) 29 August 2002 (2002-08-29) cited in the application * see '0013!-'0020}, claims * the whole document	1-22
Y	US 2002/050054 A1 (NOH HYUNG-GON) 2 May 2002 (2002-05-02) * see '0009!-'0013!, '0019! - '0042!, claims * the whole document	1-22
Y	PATENT ABSTRACTS OF JAPAN vol. 013, no. 268 (E-775), 20 June 1989 (1989-06-20) & JP 01 059779 A (TOSHIBA BATTERY CO LTD), 7 March 1989 (1989-03-07) abstract	1-22
Y	WO 94/19100 A1 (FMC CORPORATION) 1 September 1994 (1994-09-01) cited in the application * see p.3, l.1 - p.5, l .25, claims * the whole document	1-22
A	EP 0 875 951 A1 (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD) 4 November 1998 (1998-11-04) the whole document	1-22
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INTERNATIONAL SEARCH REPORT

rnational Application No T/GB2004/003443

			· · · · · · · · · · · · · · · · · · ·			-17 402004/003443	
Cited	atent document d in search report		Publication date		Patent family member(s)		Publication date
WO	0221632	A1	14-03-2002	KR JP	2002014965 2004508687		27-02-2002 18-03-2004
WO	9943034	Α	26-08-1999	US	6402795		11-06-2002
			•	ΑU	743685	B2	31-01-2002
				AU	3295999		06-09-1999
				BR	9908010		24-10-2000
				CA	2322131		26-08-1999
				CN	1297588		30-05-2001
				EP	1057222		06-12-2000
				JP	2002504741		12-02-2002
				WO	9943034		26-08-1999
				US 	2001041294	A1 	15-11-2001
WO	0165616	A1	07-09-2001	AU	3390301		12-09-2001
				EP	1259993		27-11-2002
				JP	2003526183		02-09-2003
			•	TW	501304		01-09-2002
				US 	2003077516		24-04-2003
US	2002119373	A1	29-08-2002	CA	2384494		01-11-2003
				CN	1427490		02-07-2003
				DE	10218510		10-07-2003
	•			DK ·	200200615		20-06-2003
				FR	2833760		20-06-2003
				GB	2383465		25-06-2003
				US	2004002005		01-01-2004
			•	US	2004146784		29-07-2004
				JP 	2002313324	A 	25-10-2002
US 	2002050054	A1	02-05-2002	JP	2001357891	A	26-12-2001
JP	01059779	Α	07-03-1989	NONE			
WO	9419100	A1	01-09-1994	 AU	6128994	————— А	14-09-1994
				DE	4491020		21-12-1995
				GB	2290537	A,B	03-01-1996
				JP	2699026	B2	19-01-1998
				JP	8505440		11-06-1996
				US	5976403		02-11-1999
				US	5567474		22-10-1996
				US 	5776369 	Α	07-07-1998
ГD	0875951	A 1	04-11-1998	JP	10302794	^	13-11-1998